

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-11 (canceled)

12. (currently amended) A method for cleaning thermoplastic resinous products, comprising:

crushing collected thermoplastic resinous products into crushed pieces,
supplying the crushed pieces together with water into a cleaning device having a vessel and a rotary body disposed in a rotatable manner within the vessel, wherein at least part of an inner surface of the vessel and/or a surface of the rotary body is roughened to provide a roughened surface[[.]] having a depth in a range of from 40 to 2000 μm ,

rotating the rotary body, causing the crushed pieces to contact the roughened surface of the vessel and/or surface of the rotary body, and cleaning the crushed pieces.

13. (cancel)

14. (original) A method for cleaning thermoplastic resinous products as defined by claim 12, wherein water is continuously supplied from a plurality of portions of the vessel and drained so that a water level in the cleaning device is maintained constant, while taking care to maintain a ratio in weight of the crushed pieces to the water constant.

15. (original) A method for cleaning thermoplastic resinous products as defined by claim 12,

wherein the cleaning is carried out under the condition in that the ratio in weight of the crushed pieces to the water in the cleaning device is controlled to be 1:0.3 to 2.0; water is continuously supplied and drained so that the interior temperature of the cleaning device is 70°C or lower; and a linear speed of a portion of the rotary body farthest from a rotary shaft of the rotary body is in a range from 0.5 to 20 m/sec.

16. (withdrawn) A device for cleaning thermoplastic resinous products comprising a vessel and a rotary body built-in in the vessel,

wherein the vessel has an entrance port for the thermoplastic resinous products provided in an upper area of one end thereof, an exit port for the thermoplastic resinous products provided in a lower area of the other end thereof, a water supply port and a drainage port; the drainage port being connected to a drainage line for adjusting a water level; the rotary body having a rotary shaft, a screw blade provided on the circumference of the rotary shaft and at least one of a plurality of cleaning plates and cleaning pins; and at least part of the inner surface of the vessel and/or surfaces of at least one of the cleaning plates and the cleaning pins being roughened to provide a roughened surface having a depth in a range of from 40 to 2000 μm .

17. (withdrawn) A device for cleaning thermoplastic resinous products comprising a vessel and agitating blades, wherein the vessel has an entrance port for crushed resinous pieces and a water supply port, both provided in an upper portion thereof, and an exit port for the crushed resinous pieces and a drainage port, both provided in a lower portion provided thereof; a drainage line for adjusting a water level being connected to the drainage port, and at least part of the inner surface of the vessel and/or surfaces of the agitating blades being roughened to provide a roughened surface having a depth in a range of from 40 to 2000 μm .